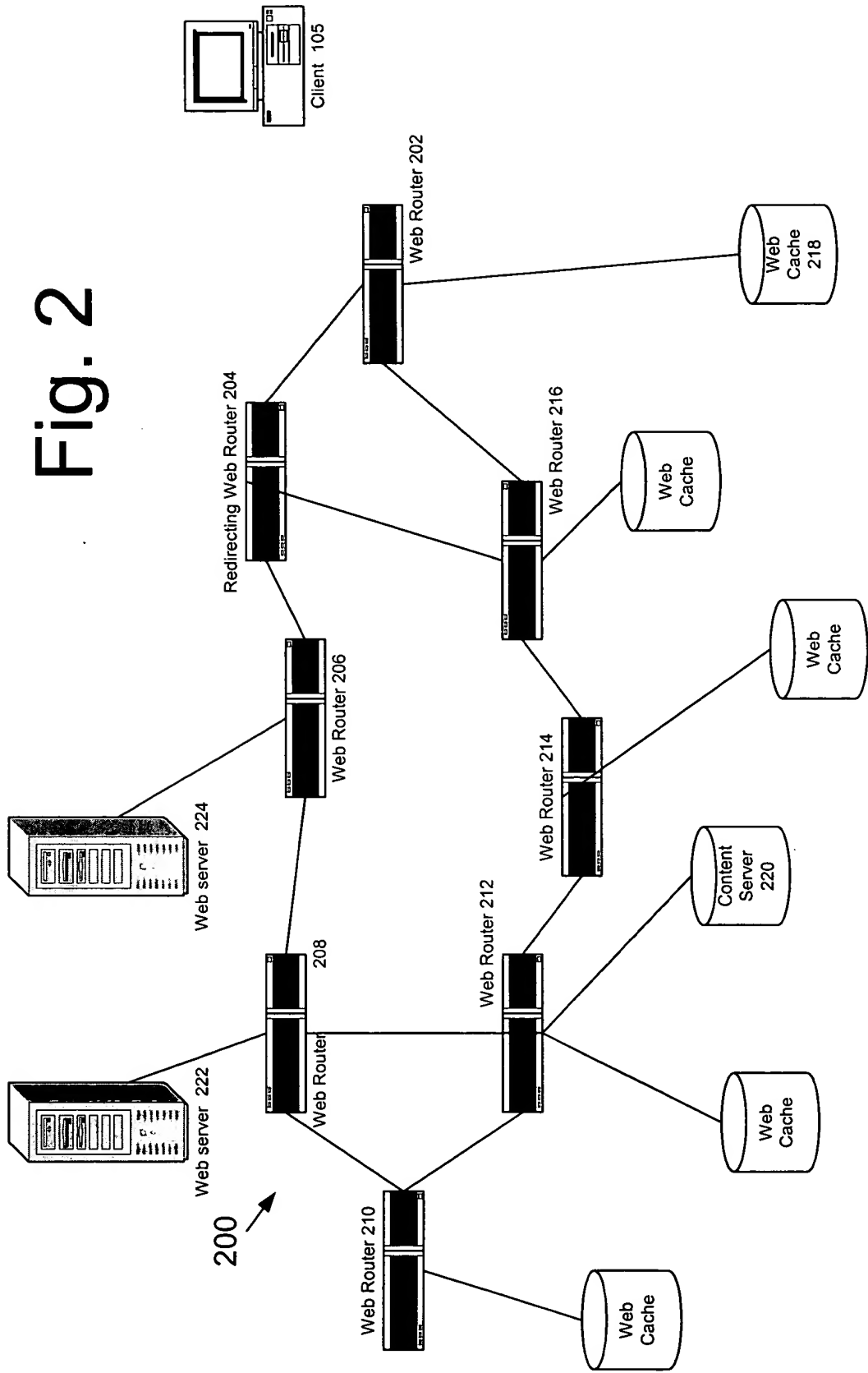
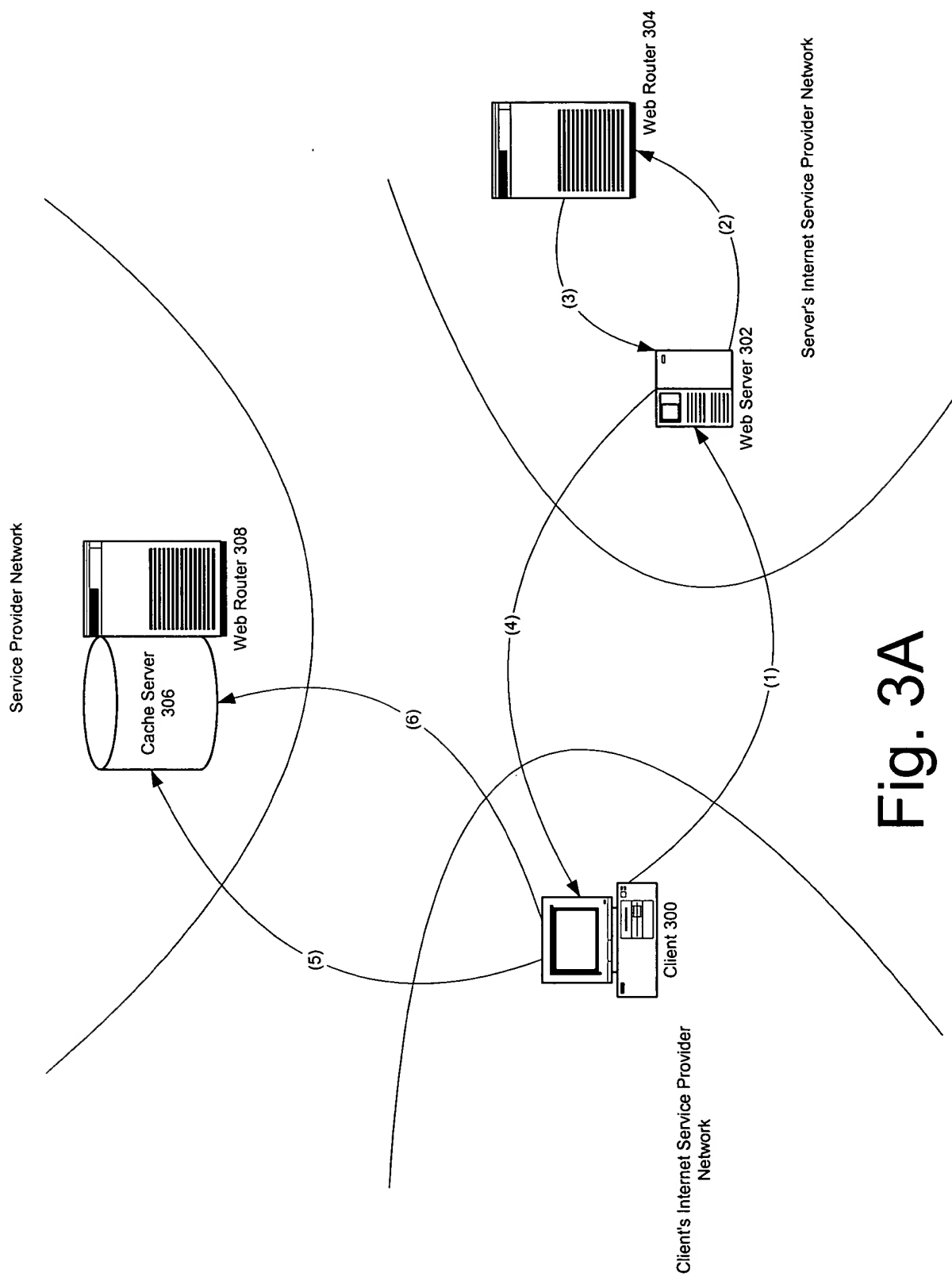


Fig. 1





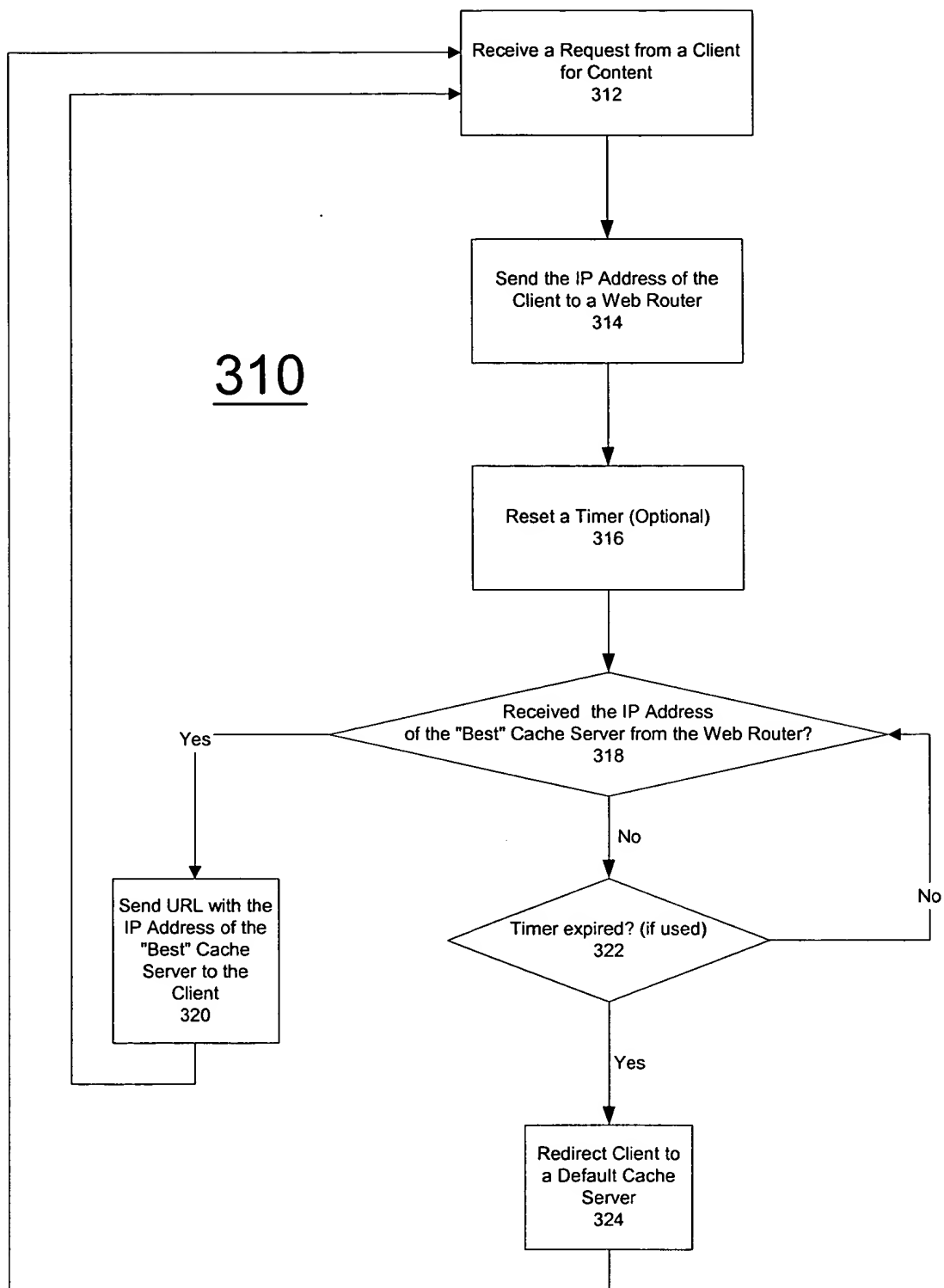
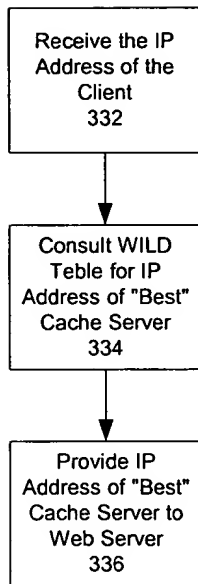
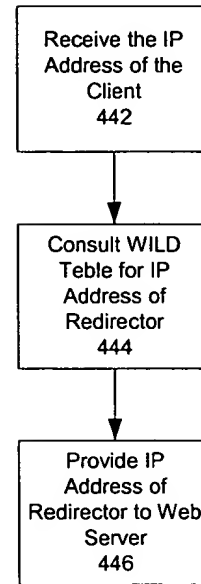


Fig. 3B



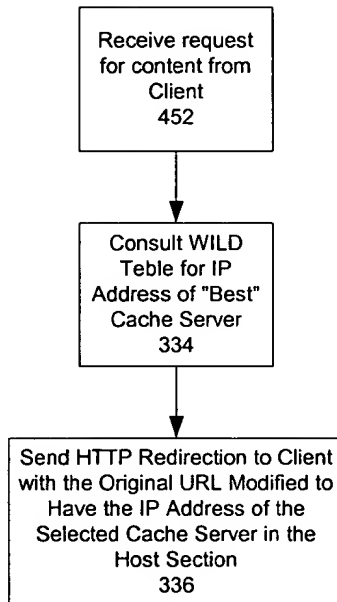
330



440

Fig. 3C

Fig. 4C



450

Fig. 4D

FIG. 4A is a schematic diagram of a network architecture for a service provider network. The diagram illustrates the flow of traffic between a client's internet service provider network, a service provider network, and a server's internet service provider network. The client's internet service provider network includes a client 400. The service provider network includes a cache server 406, a web router 408, and a redirecting web router 410. The server's internet service provider network includes a web server 402 and a web router 404. The flow of traffic is indicated by numbered arrows: (1) from the client 400 to the web router 404; (2) from the web router 404 to the web server 402; (3) from the web server 402 to the web router 408; (4) from the web router 408 to the cache server 406; (5) from the cache server 406 to the redirecting web router 410; (6) from the redirecting web router 410 to the web router 404; (7) from the client 400 to the web router 408; (8) from the web router 408 to the web router 404.

Service Provider Network

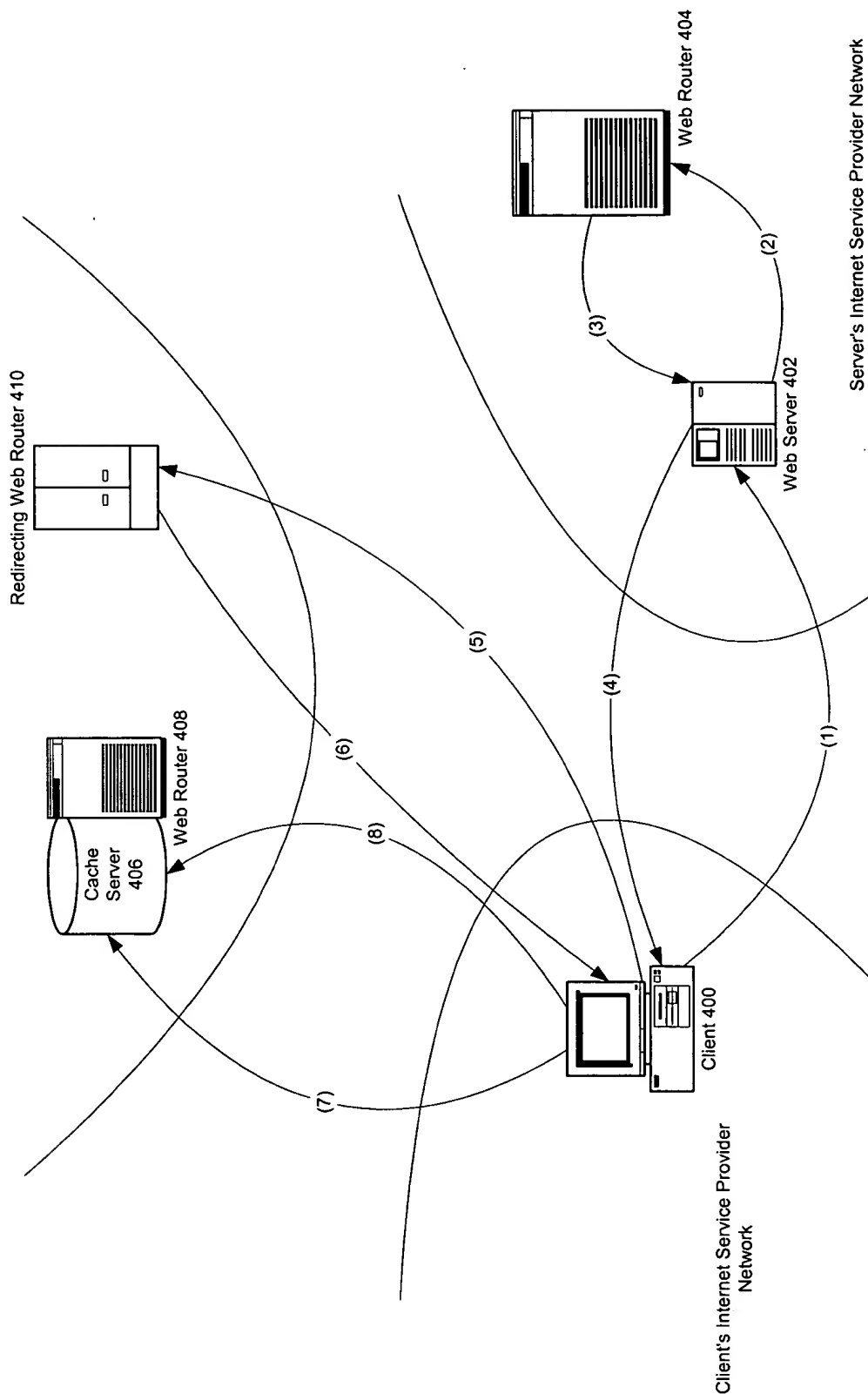


Fig. 4A

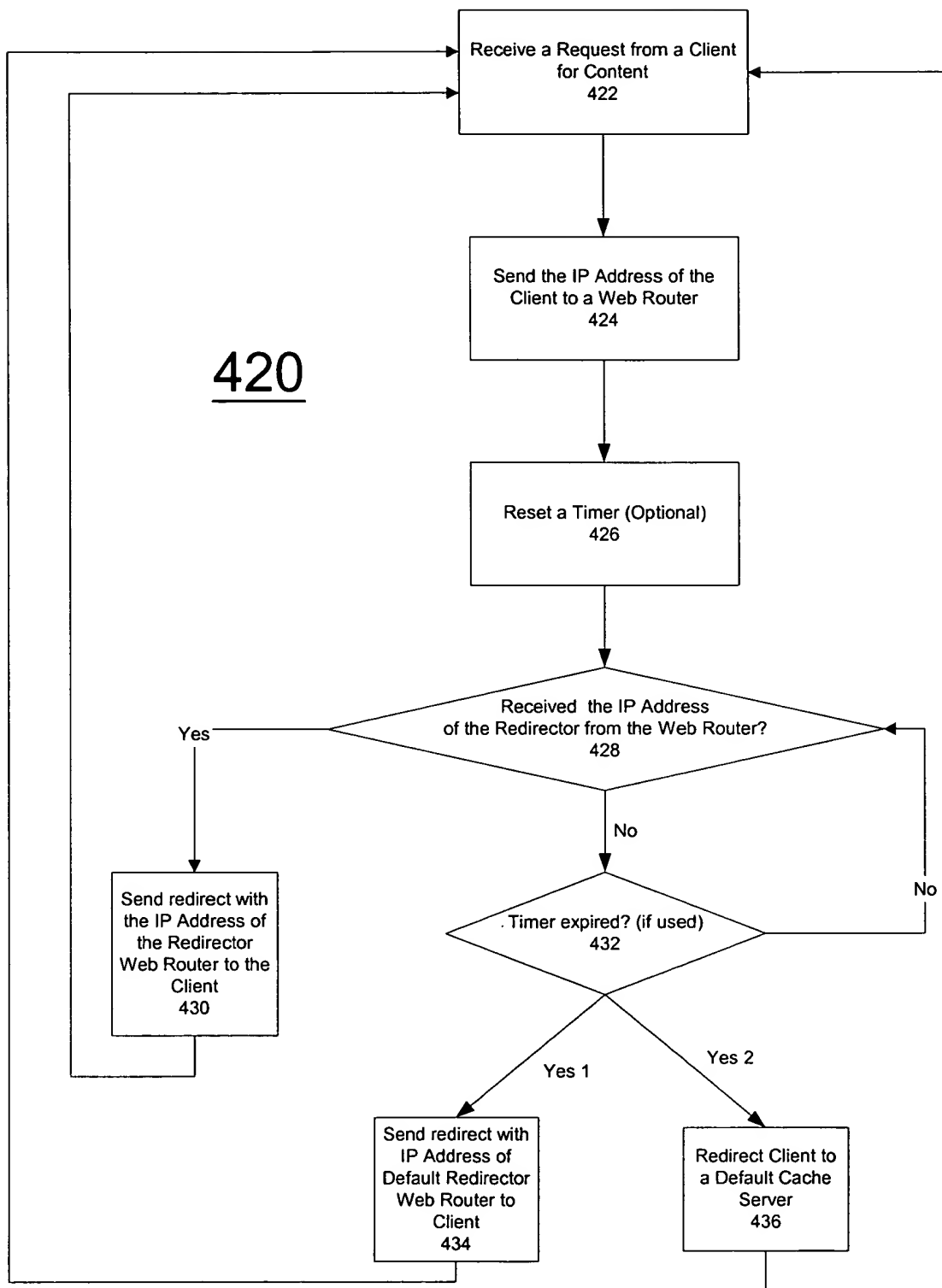
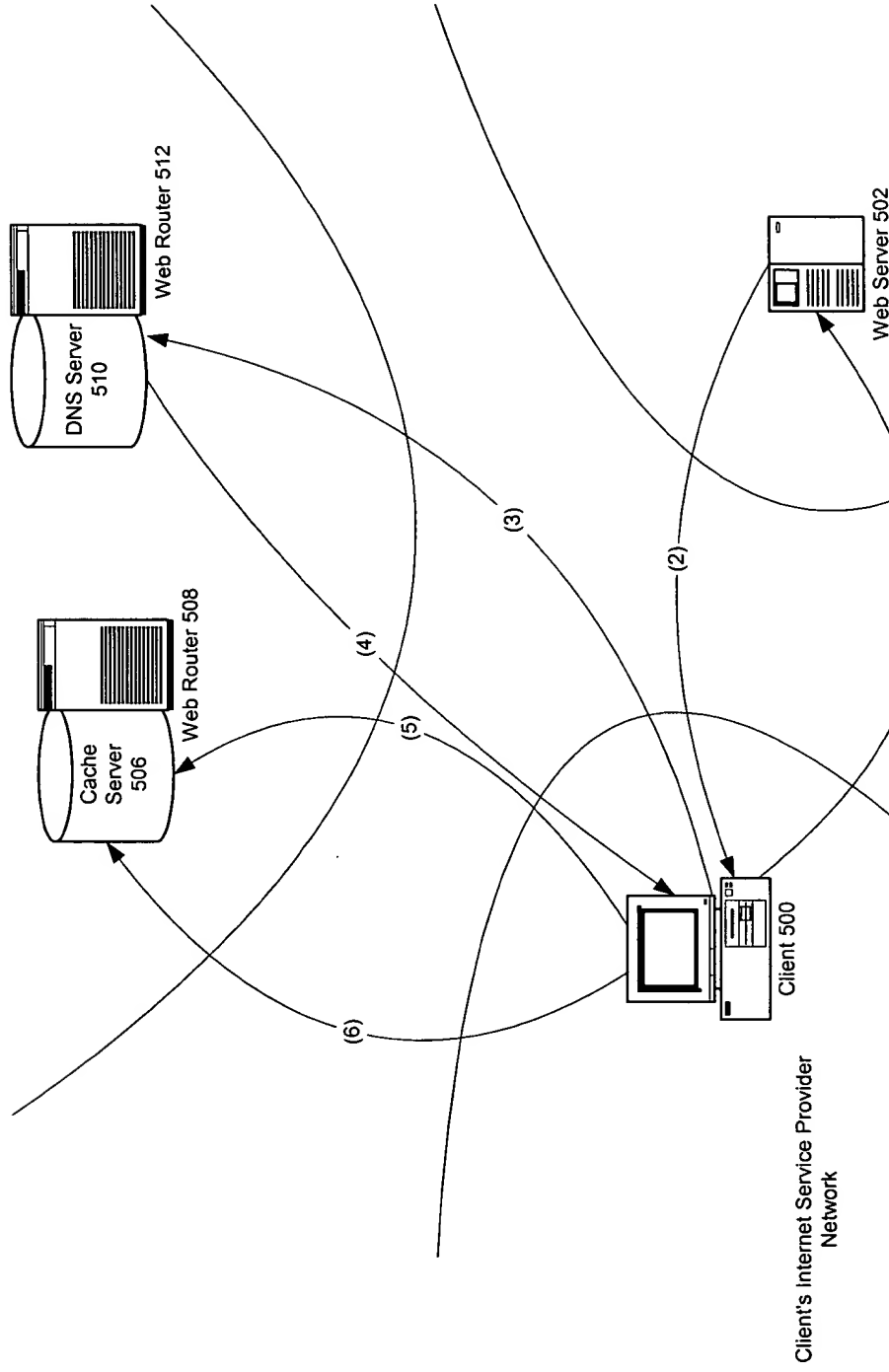


Fig. 4B

FIG. 5A is a schematic diagram of a network architecture. The diagram shows three main network domains: the Service Provider Network, the Client's Internet Service Provider Network, and the Server's Internet Service Provider Network. The Service Provider Network contains a Cache Server 506, a DNS Server 510, and a Web Router 512. The Client's Internet Service Provider Network contains a Client 500. The Server's Internet Service Provider Network contains a Web Server 502. Six numbered arrows indicate the flow of traffic: (1) from the Client 500 to the Web Server 502; (2) from the Client 500 to the DNS Server 510; (3) from the Client 500 to the Cache Server 506; (4) from the Client 500 to the Web Router 512; (5) from the Cache Server 506 to the Web Router 512; and (6) from the DNS Server 510 to the Web Router 512.

Service Provider Network



Server's Internet Service Provider Network

Client's Internet Service Provider Network

Fig. 5A



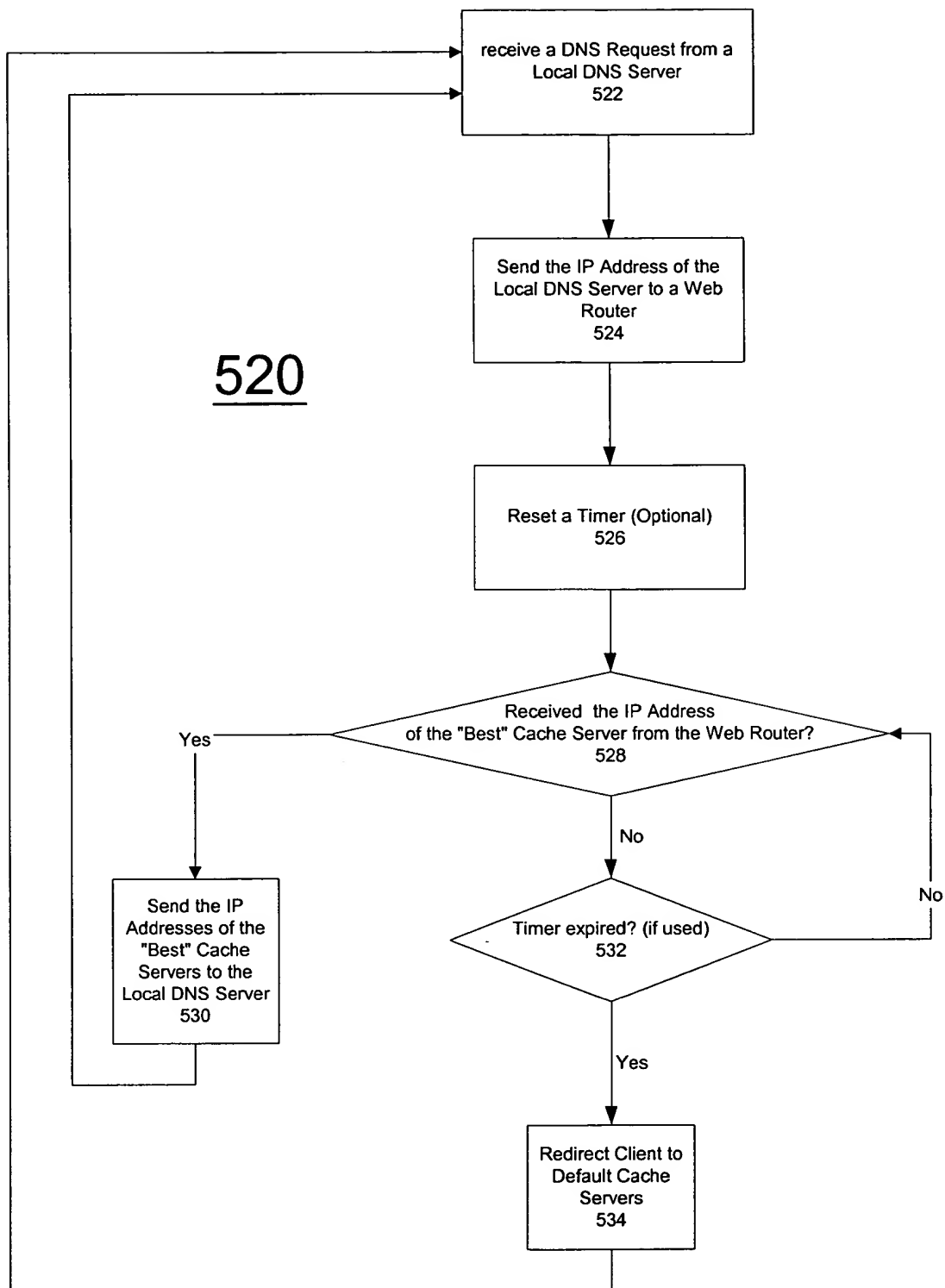
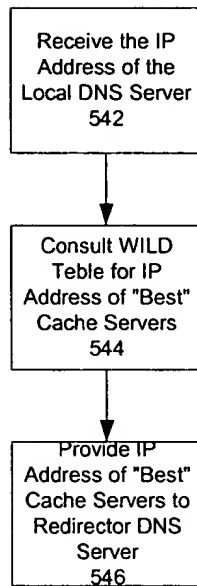
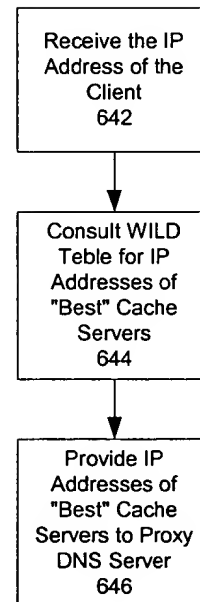


Fig. 5B



540

Fig. 5C

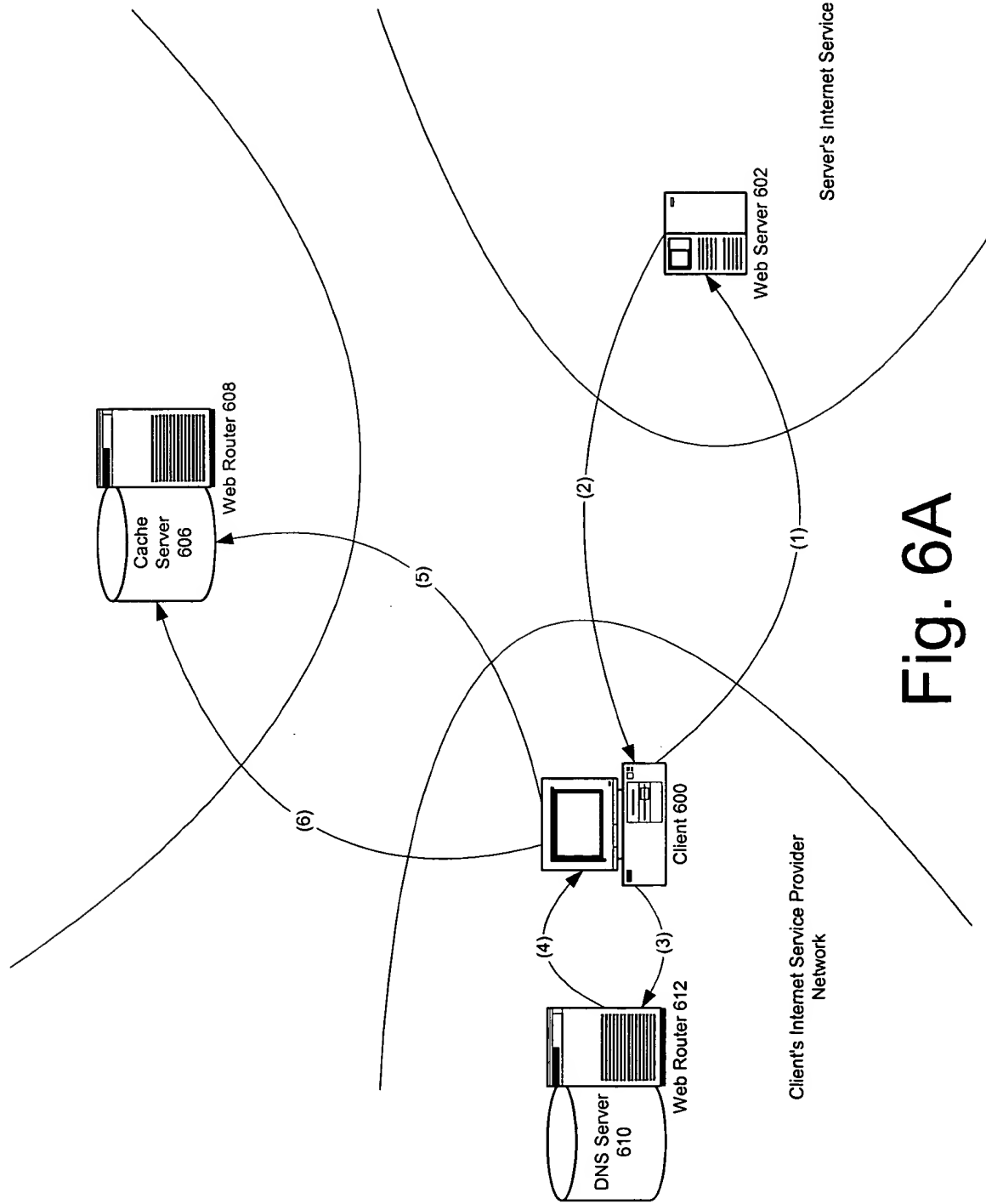


640

Fig. 6C

FIG. 6A is a schematic diagram of a network architecture showing a Client's Internet Service Provider Network and a Service Provider Network. The Client's Internet Service Provider Network includes a DNS Server 610, a Web Router 612, and a Client 600. The Service Provider Network includes a Cache Server 606 and a Web Router 608. A Server's Internet Service Provider Network includes a Web Server 602. The diagram illustrates a sequence of six steps (1) through (6) for a network transaction. Step (1) shows a request from the Client 600 to the Web Server 602. Step (2) shows a response from the Web Server 602 to the Client 600. Step (3) shows a request from the Client 600 to the Web Router 612. Step (4) shows a response from the Web Router 612 to the Client 600. Step (5) shows a request from the Client 600 to the Cache Server 606. Step (6) shows a response from the Cache Server 606 to the Client 600.

Service Provider Network



Client's Internet Service Provider Network

Server's Internet Service Provider Network

Fig. 6A

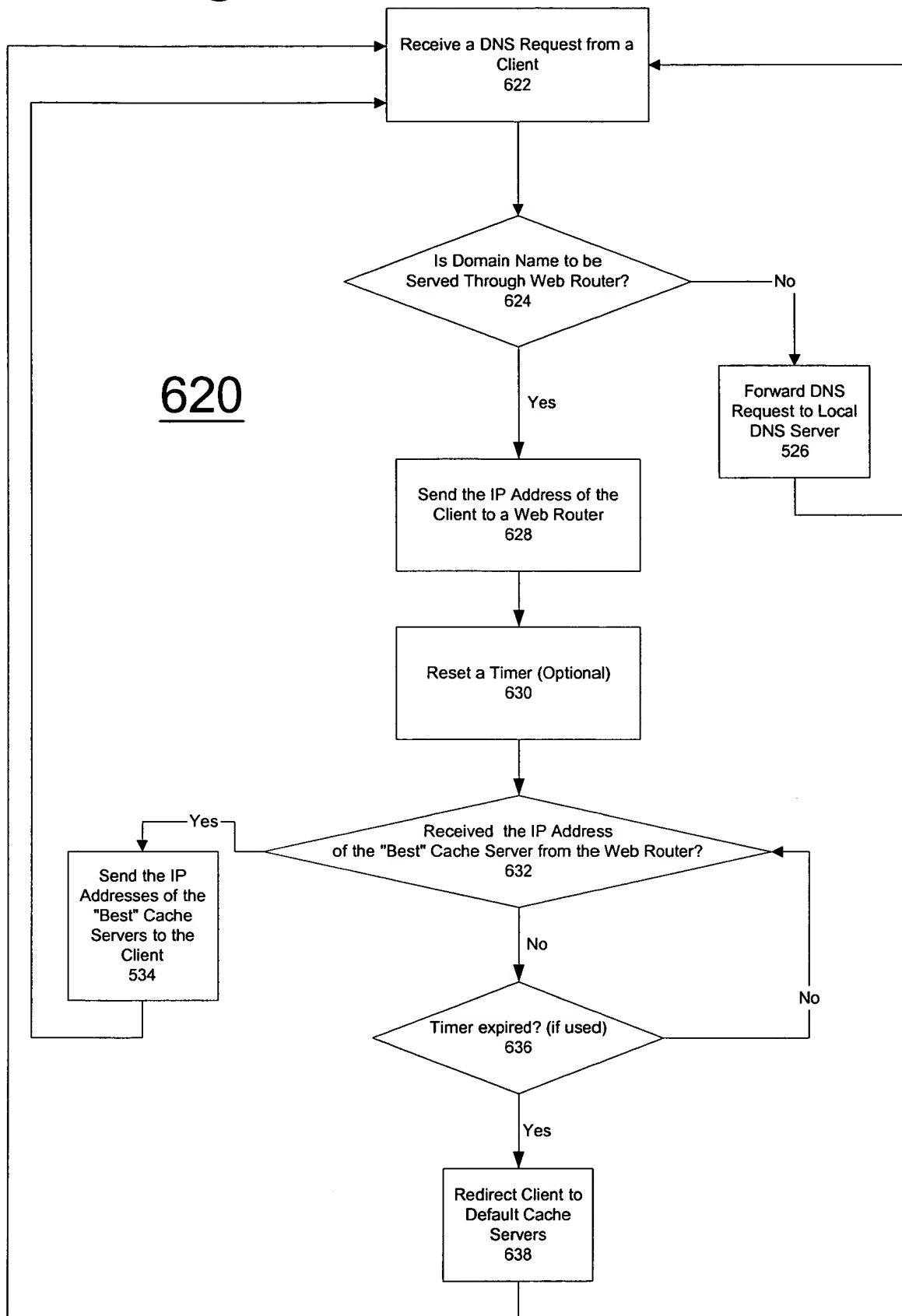


Fig. 6B

Fig. 7

